



seq list.txt

SEQUENCE LISTING

<110> KYOWA HAKKO KOGYO CO., LTD.

<120> Process for the antibody composition using RNA which inhibits a function of alpha 1,6-fucosyltransferase

<130> 11621W01

<140> 10/575,096

<141> 2006-04-10

<150> PCT/JP04/15316

<151> 2004-10-08

<150> P2003-350167

<151> 2003-10-09

<160> 54

<170> PatentIn Ver. 2.1

<210> 1

<211> 2008

<212> DNA

<213> *Cricetulus griseus*

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His Val Glu Glu His Phe Gln Leu Leu Ala Arg Arg Met Gln Val Asp
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His Lys Pro Arg Thr Asp Glu Glu Ile Pro Met Glu Pro Gly Asp Ile
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195        200        205
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seq list.txt

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Tyr Tyr Phe Gly Gly Gln Asn Ala His Asn Gln Ile Ala Ile Tyr Ala			
	500	505	510
His Gln Pro Arg Thr Ala Asp Glu Ile Pro Met Glu Pro Gly Asp Ile			
	515	520	525
Ile Gly Val Ala Gly Asn His Trp Asp Gly Tyr Ser Lys Gly Val Asn			
	530	535	540
Arg Lys Leu Gly Arg Thr Gly Leu Tyr Pro Ser Tyr Lys Val Arg Glu			
	545	550	555
Lys Ile Glu Thr Val Lys Tyr Pro Thr Tyr Pro Glu Ala Glu Lys			
	565	570	575

<210> 9
 <211> 40
 <212> RNA
 <213> Artificial Sequence

<220>
 <223> Description of Artificial Sequence: Synthetic RNA

<400> 9
 gaaggaguu gaaacucuga aaaugcgggc auggacuggu 40

<210> 10
 <211> 31
 <212> RNA
 <213> Artificial Sequence

<220>
 <223> Description of Artificial Sequence: Synthetic RNA

<400> 10
 gaggagaau gcuagucuc uccgaauacc a 31

<210> 11
 <211> 33
 <212> RNA
 <213> Artificial Sequence

<220>
 <223> Description of Artificial Sequence: Synthetic RNA

<400> 11
 ccaaagacau gcagaugaaa uucuuuugga uuu 33

<210> 12
 <211> 35
 <212> RNA
 <213> Artificial Sequence

<220>
 <223> Description of Artificial Sequence: Synthetic RNA

<400> 12
 ucuuggauc ucagaauugg cgcuauugcua cugga 35

<210> 13
 <211> 32
 <212> RNA
 <213> Artificial Sequence

<220>
 <223> Description of Artificial Sequence: Synthetic RNA

<400> 13
 auacacagaa aaucacuuc ggggcgugau cc 32

seq list.txt

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<210> 14
<211> 34
<212> RNA
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic RNA

<400> 14
ucaucccagg ucuguagggg ugcuuauaagaa auca
34

<210> 15
<211> 36
<212> RNA
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic RNA

<400> 15
caucuacuau uuuggaggcc aaaaugccca caacca
36

<210> 16
<211> 31
<212> RNA
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic RNA

<400> 16
ugcacuggug gaacgccucu uugugaaggg c
31

<210> 17
<211> 34
<212> RNA
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic RNA

<400> 17
caagaagcuu ggcuucaaac auccaguau ugga
34

<210> 18
<211> 35
<212> RNA
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic RNA

<400> 18
uauggcaccc agcgaacacu caucuuggaa ucuca
35

<210> 19
<211> 31
<212> RNA
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic RNA

<400> 19
gaggcgaaug gcugagucuc uccgaauacc a
31

<210> 20
<211> 31
<212> RNA
<213> Artificial Sequence

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seq list.txt

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<220>
<223> Description of Artificial Sequence: Synthetic RNA

<400> 20
gaggcgaaug gccgaaucuc uccggauacc a 31

<210> 21
<211> 33
<212> RNA
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic RNA

<400> 21
ccaaagacau gcagaugaau uucuuuugga uuu 33

<210> 22
<211> 35
<212> RNA
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic RNA

<400> 22
ucuuggauc ucagaauugg cgcuauugcua cuggu 35

<210> 23
<211> 32
<212> RNA
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic RNA

<400> 23
guacacagaa aaucacuuc ggggugugau cc 32

<210> 24
<211> 32
<212> RNA
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic RNA

<400> 24
auacacagaa aaucacuuc guggagugau cc 32

<210> 25
<211> 32
<212> RNA
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic RNA

<400> 25
guacacagaa aaucacuuc ggggcgugau cc 32

<210> 26
<211> 34
<212> RNA
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic RNA

<400> 26
ucauccagg ucugucgggu ugcuuaugaa auca 34

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seq list.txt

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<210> 27
<211> 34
<212> RNA
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic RNA

<400> 27
ucaucccagg ucugucgagu ugcuuaugaa auua
34

<210> 28
<211> 36
<212> RNA
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic RNA

<400> 28
caucuacuau uuuggaggcc aaaaugccca caauca
36

<210> 29
<211> 36
<212> RNA
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic RNA

<400> 29
caucuacuau uuugggggcc agaaugccca caauca
36

<210> 30
<211> 34
<212> RNA
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic RNA

<400> 30
caagaagcuu ggcuucaaac auccagucan ugga
34

<210> 31
<211> 24
<212> DNA
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic DNA

<400> 31
gtctgaagca ttatgtgttg aagc
24

<210> 32
<211> 23
<212> DNA
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic DNA

<400> 32
gtgagtacat tcattgtact gtg
23

<210> 33
<211> 17
<212> DNA
<213> Artificial Sequence

<220>

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seq list.txt

<223> Description of Artificial Sequence: Synthetic DNA

<400> 33
ttcccagtca cgacgtt 17

<210> 34
<211> 17
<212> DNA
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic DNA

<400> 34
caggaaacag ctatgac 17

<210> 35
<211> 18
<212> PRT
<213> Homo sapiens
<220>

<400> 35
Asp Glu Ser Ile Tyr Ser Asn Tyr Tyr Leu Tyr Glu Ser Ile Pro Lys
1 5 10 15
Pro Cys

<210> 36
<211> 22
<212> DNA
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic DNA

<400> 36
atcctcgtcc tccttactta cc 22

<210> 37
<211> 22
<212> DNA
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic DNA

<400> 37
tccagctgac caagaaatag ag 22

<210> 38
<211> 24
<212> DNA
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic DNA

<400> 38
gatatcgctg cgctcgtcgt cgac 24

<210> 39
<211> 24
<212> DNA
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic DNA

<400> 39
caggaaggaa ggctggaaga gagc 24

<210> 40
<211> 40

seq list.txt

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<212> DNA
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic DNA

<400> 40
cccaagcttg atatcaaggc cgggcaggaa gagggcctat 40

<210> 41
<211> 52
<212> DNA
<213> Artificial Sequence
<220>
<223> Description of Artificial Sequence: Synthetic DNA

<400> 41
gctctagaga tatcaaaaaa ggtaccgagc tcggtgtttc gtcctttcca ca 52

<210> 42
<211> 74
<212> DNA
<213> Artificial Sequence
<220>
<223> Description of Artificial Sequence: Synthetic DNA

<400> 42
cgaatggctg agtctctccg aataccagaa cttcctgtca ttctggtatt cggagagact 60
cagccattcg gtac 74

<210> 43
<211> 74
<212> DNA
<213> Artificial Sequence
<220>
<223> Description of Artificial Sequence: Synthetic DNA

<400> 43
cgaatggctg agtctctccg aataccagaa tgacaggaag ttctggtatt cggagagact 60
cagccattcg agct 74

<210> 44
<211> 74
<212> DNA
<213> Artificial Sequence
<220>
<223> Description of Artificial Sequence: Synthetic DNA

<400> 44
cccagcgaac actcatcttg gaatctcaga cttcctgtca tctgagattc caagatgagt 60
gttcgctggg gtac 74

<210> 45
<211> 74
<212> DNA
<213> Artificial Sequence
<220>
<223> Description of Artificial Sequence: Synthetic DNA

<400> 45
cccagcgaac actcatcttg gaatctcaga tgacaggaag tctgagattc caagatgagt 60
gttcgctggg agct 74

<210> 46

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seq list.txt

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<211> 32
<212> DNA
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic DNA

<400> 46
ggcagctgcg ccagggtttt cccagtcacg ac 32

<210> 47
<211> 44
<212> DNA
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic DNA

<400> 47
cccagctgaa aaaaggtacc ctatgagctc ggggttggtt ttgt 44

<210> 48
<211> 32
<212> DNA
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic DNA

<400> 48
taaatagaat tcggcatcat gtggcagctg ct 32

<210> 49
<211> 34
<212> DNA
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic DNA

<400> 49
aataaaggat cctgggggtca tttgtcttga gggt 34

<210> 50
<211> 788
<212> DNA
<213> Homo sapiens

<220>
<221> CDS
<222> (13)..(774)

<400> 50
gaa ttc ggc atc atg tgg cag ctg ctc ctc cca act gct ctg cta ctt 48
          Met Trp Gln Leu Leu Leu Pro Thr Ala Leu Leu Leu
          1      5      10
cta gtt tca gct ggc atg cgg act gaa gat ctc cca aag gct gtg gtg 96
Leu Val Ser Ala Gly Met Arg Thr Glu Asp Leu Pro Lys Ala Val Val
          15      20      25
ttc ctg gag cct caa tgg tac agg gtg ctc gag aag gac agt gtg act 144
Phe Leu Glu Pro Gln Trp Tyr Arg Val Leu Glu Lys Asp Ser Val Thr
          30      35      40
ctg aag tgc cag gga gcc tac tcc cct gag gac aat tcc aca cag tgg 192
Leu Lys Cys Gln Gly Ala Tyr Ser Pro Glu Asp Asn Ser Thr Gln Trp
          45      50      55      60
ttt cac aat gag agc ctc atc tca agc cag gcc tcg agc tac ttc att 240
Phe His Asn Glu Ser Leu Ile Ser Ser Gln Ala Ser Ser Tyr Phe Ile
          65      70      75
gac gct gcc aca gtc gac gac agt gga gag tac agg tgc cag aca aac 288
Asp Ala Ala Thr Val Asp Asp Ser Gly Glu Tyr Arg Cys Gln Thr Asn
          80      85      90
ctc tcc acc ctc agt gac ccg gtg cag cta gaa gtc cat atc ggc tgg 336
Leu Ser Thr Leu Ser Asp Pro Val Gln Leu Glu Val His Ile Gly Trp
          95      100      105
ctg ttg ctc cag gcc cct cgg tgg gtg ttc aag gag gaa gac cct att 384

```


seq list.txt

```

Leu Leu Leu Gln Ala Pro Arg Trp Val Phe Lys Glu Glu Asp Pro Ile
110 115 120
cac ctg agg tgt cac agc tgg aag aac act gct ctg cat aag gtc aca 432
His Leu Arg Cys His Ser Trp Lys Asn Thr Ala Leu His Lys Val Thr
125 130 135
tat tta cag aat ggc aaa ggc agg aag tat ttt cat cat aat tct gac 480
Tyr Leu Gln Asn Gly Lys Gly Arg Lys Tyr Phe His His Asn Ser Asp
145 150 155
ttc tac att cca aaa gcc aca ctc aaa gac agc ggc tcc tac ttc tgc 528
Phe Tyr Ile Pro Lys Ala Thr Leu Lys Asp Ser Gly Ser Tyr Phe Cys
160 165 170
agg ggg ctt ttt ggg agt aaa aat gtg tct tca gag act gtg aac atc 576
Arg Gly Leu Phe Gly Ser Lys Asn Val Ser Ser Glu Thr Val Asn Ile
175 180 185
acc atc act caa ggt ttg gca gtg tca acc atc tca tca ttc ttt cca 624
Thr Ile Thr Gln Gly Leu Ala Val Ser Thr Ile Ser Ser Phe Phe Pro
190 195 200
cct ggg tac caa gtc tct ttc tgc ttg gtg atg gta ctc ctt ttt gca 672
Pro Gly Tyr Gln Val Ser Phe Cys Leu Val Met Val Leu Leu Phe Ala
205 210 215
gtg gac aca gga cta tat ttc tct gtg aag aca aac att cga agc tca 720
Val Asp Thr Gly Leu Tyr Phe Ser Val Lys Thr Asn Ile Arg Ser Ser
225 230 235
aca aga gac tgg aag gac cat aaa ttt aaa tgg aga aag gac cct caa 768
Thr Arg Asp Trp Lys Asp His Lys Phe Lys Trp Arg Lys Asp Pro Gln
240 245 250
gac aaa tga ccc cag gat cc 788
Asp Lys

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<210> 51
 <211> 254
 <212> PRT
 <213> Homo sapiens

<400> 51

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Met Trp Gln Leu Leu Leu Pro Thr Ala Leu Leu Leu Leu Val Ser Ala
1 5 10 15
Gly Met Arg Thr Glu Asp Leu Pro Lys Ala Val Val Phe Leu Glu Pro
20 25 30
Gln Trp Tyr Arg Val Leu Glu Lys Asp Ser Val Thr Leu Lys Cys Gln
35 40 45
Gly Ala Tyr Ser Pro Glu Asp Asn Ser Thr Gln Trp Phe His Asn Glu
50 55 60
Ser Leu Ile Ser Ser Gln Ala Ser Ser Tyr Phe Ile Asp Ala Ala Thr
65 70 75 80
Val Asp Asp Ser Gly Glu Tyr Arg Cys Gln Thr Asn Leu Ser Thr Leu
85 90 95
Ser Asp Pro Val Gln Leu Glu Val His Ile Gly Trp Leu Leu Leu Gln
100 105 110
Ala Pro Arg Trp Val Phe Lys Glu Glu Asp Pro Ile His Leu Arg Cys
115 120 125
His Ser Trp Lys Asn Thr Ala Leu His Lys Val Thr Tyr Leu Gln Asn
130 135 140
Gly Lys Gly Arg Lys Tyr Phe His His Asn Ser Asp Phe Tyr Ile Pro
145 150 155 160
Lys Ala Thr Leu Lys Asp Ser Gly Ser Tyr Phe Cys Arg Gly Leu Phe
165 170 175
Gly Ser Lys Asn Val Ser Ser Glu Thr Val Asn Ile Thr Ile Thr Gln
180 185 190
Gly Leu Ala Val Ser Thr Ile Ser Ser Phe Phe Pro Pro Gly Tyr Gln
195 200 205
Val Ser Phe Cys Leu Val Met Val Leu Leu Phe Ala Val Asp Thr Gly
210 215 220
Leu Tyr Phe Ser Val Lys Thr Asn Ile Arg Ser Ser Thr Arg Asp Trp
225 230 235 240
Lys Asp His Lys Phe Lys Trp Arg Lys Asp Pro Gln Asp Lys
245 250

```

<210> 52
 <211> 51
 <212> DNA
 <213> Artificial Sequence

<220>
 <223> Description of Artificial Sequence: Synthetic DNA

<400> 52

seq list.txt

tgttgatcc tgtcaatgat gatgatgatg atgaccttga gtgatggtga t 51

<210> 53
 <211> 620
 <212> DNA
 <213> Homo sapiens

<220>
 <221> CDS
 <222> (13)..(609)

<400> 53
 gaa ttc ggc atc atg tgg cag ctg ctc ctc cca act gct ctg cta ctt 48
 Met Trp Gln Leu Leu Leu Pro Thr Ala Leu Leu
 1 5 10
 cta gtt tca gct ggc atg cgg act gaa gat ctc cca aag gct gtg gtg 96
 Leu Val Ser Ala Gly Met Arg Thr Glu Asp Leu Pro Lys Ala Val Val
 15 20 25
 ttc ctg gag cct caa tgg tac agg gtg ctc gag aag gac agt gtg act 144
 Phe Leu Glu Pro Gln Trp Tyr Arg Val Leu Glu Lys Asp Ser Val Thr
 30 35 40
 ctg aag tgc cag gga gcc tac tcc cct gag gac aat tcc aca cag tgg 192
 Leu Lys Cys Gln Gly Ala Tyr Ser Pro Glu Asp Asn Ser Thr Gln Trp
 45 50 55 60
 ttt cac aat gag agc ctc atc tca agc cag gcc tcg agc tac ttc att 240
 Phe His Asn Glu Ser Leu Ile Ser Ser Gln Ala Ser Ser Tyr Phe Ile
 65 70 75
 gac gct gcc aca gtc gac gac agt gga gag tac agg tgc cag aca aac 288
 Asp Ala Ala Thr Val Asp Asp Ser Gly Glu Tyr Arg Cys Gln Thr Asn
 80 85 90
 ctc tcc acc ctc agt gac ccg gtg cag cta gaa gtc cat atc ggc tgg 336
 Leu Ser Thr Leu Ser Asp Pro Val Gln Leu Glu Val His Ile Gly Trp
 95 100 105
 ctg ttg ctc cag gcc cct cgg tgg gtg ttc aag gag gaa gac cct att 384
 Leu Leu Leu Gln Ala Pro Arg Trp Val Phe Lys Glu Glu Asp Pro Ile
 110 115 120
 cac ctg agg tgt cac agc tgg aag aac act gct ctg cat aag gtc aca 432
 His Leu Arg Cys His Ser Trp Lys Asn Thr Ala Leu His Lys Val Thr
 125 130 135 140
 tat tta cag aat ggc aaa ggc agg aag tat ttt cat cat aat tct gac 480
 Tyr Leu Gln Asn Gly Lys Gly Arg Lys Tyr Phe His His Asn Ser Asp
 145 150 155
 ttc tac att cca aaa gcc aca ctc aaa gac agc ggc tcc tac ttc tgc 528
 Phe Tyr Ile Pro Lys Ala Thr Leu Lys Asp Ser Gly Ser Tyr Phe Cys
 160 165 170
 agg ggg ctt ttt ggg agt aaa aat gtg tct tca gag act gtg aac atc 576
 Arg Gly Leu Phe Gly Ser Lys Asn Val Ser Ser Glu Thr Val Asn Ile
 175 180 185
 acc atc act caa ggt cat cat cat cat cat tga cag gat cc 620
 Thr Ile Thr Gln Gly His His His His His His
 190 195

<210> 54
 <211> 199
 <212> PRT
 <213> Homo sapiens

<400> 54
 Met Trp Gln Leu Leu Leu Pro Thr Ala Leu Leu Leu Leu Val Ser Ala
 1 5 10 15
 Gly Met Arg Thr Glu Asp Leu Pro Lys Ala Val Val Phe Leu Glu Pro
 20 25 30
 Gln Trp Tyr Arg Val Leu Glu Lys Asp Ser Val Thr Leu Lys Cys Gln
 35 40 45
 Gly Ala Tyr Ser Pro Glu Asp Asn Ser Thr Gln Trp Phe His Asn Glu
 50 55 60
 Ser Leu Ile Ser Ser Gln Ala Ser Ser Tyr Phe Ile Asp Ala Ala Thr
 65 70 75 80
 Val Asp Asp Ser Gly Glu Tyr Arg Cys Gln Thr Asn Leu Ser Thr Leu
 85 90 95
 Ser Asp Pro Val Gln Leu Glu Val His Ile Gly Trp Leu Leu Leu Gln
 100 105 110
 Ala Pro Arg Trp Val Phe Lys Glu Glu Asp Pro Ile His Leu Arg Cys
 115 120 125
 His Ser Trp Lys Asn Thr Ala Leu His Lys Val Thr Tyr Leu Gln Asn
 130 135 140
 Gly Lys Gly Arg Lys Tyr Phe His His Asn Ser Asp Phe Tyr Ile Pro

seq list.txt

145					150					155				160
Lys	Ala	Thr	Leu	Lys	Asp	Ser	Gly	Ser	Tyr	Phe	Cys	Arg	Gly	Leu
				165					170					175
Gly	Ser	Lys	Asn	Val	Ser	Ser	Glu	Thr	Val	Asn	Ile	Thr	Ile	Thr
			180					185					190	Gln
Gly	His	His	His	His	His	His								
			195											

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